

WEL DANPOWER 225

New Lincoln WEL DANPOWER combines 225-amp arc welder with 5000-watt power generator in one machine, yet sells for price of either alone.

With it you weld, cut, hardsurface, heat, braze, thaw frozen pipes . . . and . . . power hand tools, lights, motors, appliances.

Take two minutes to discover all the money-saving ways WEL DANPOWER can serve you.

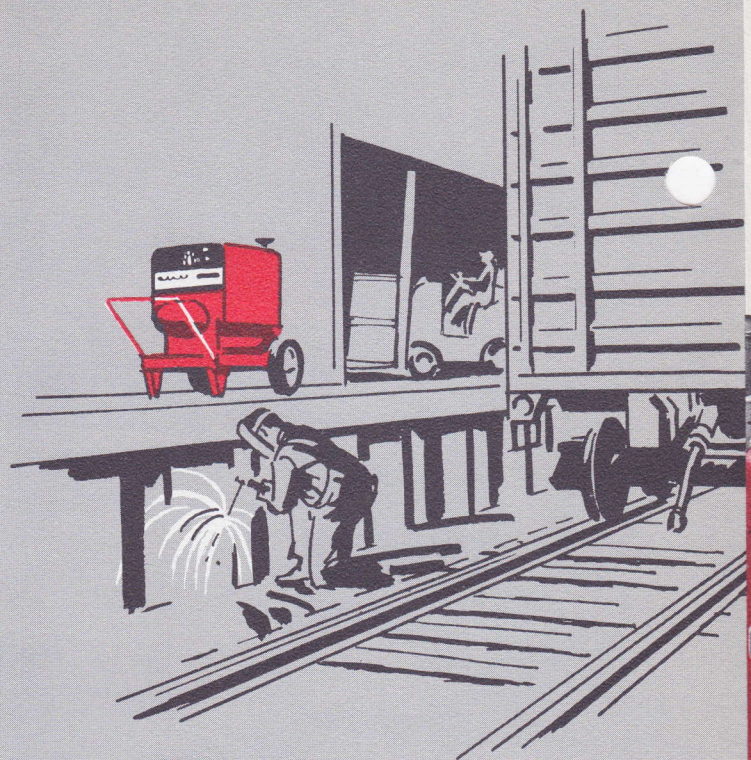
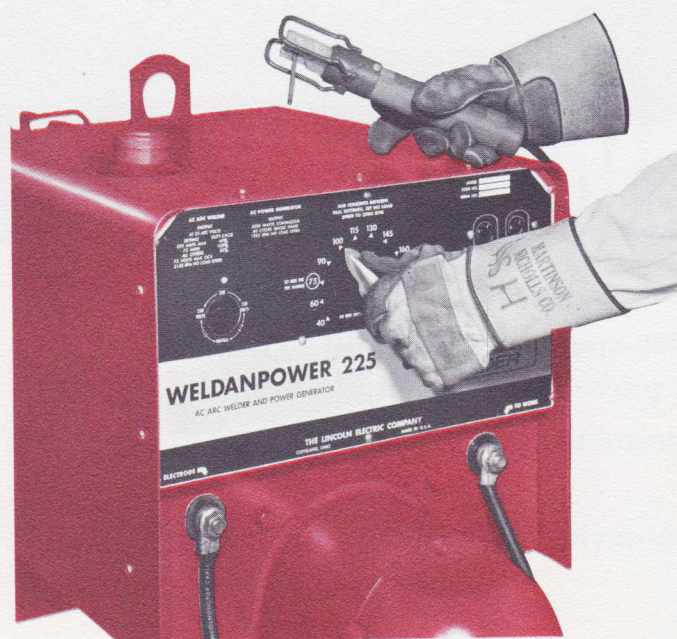
LINCOLN
WELDERS

LOOK AT THE MANY *WELDING* JOBS YOUR WELDANPOWER CAN PERFORM

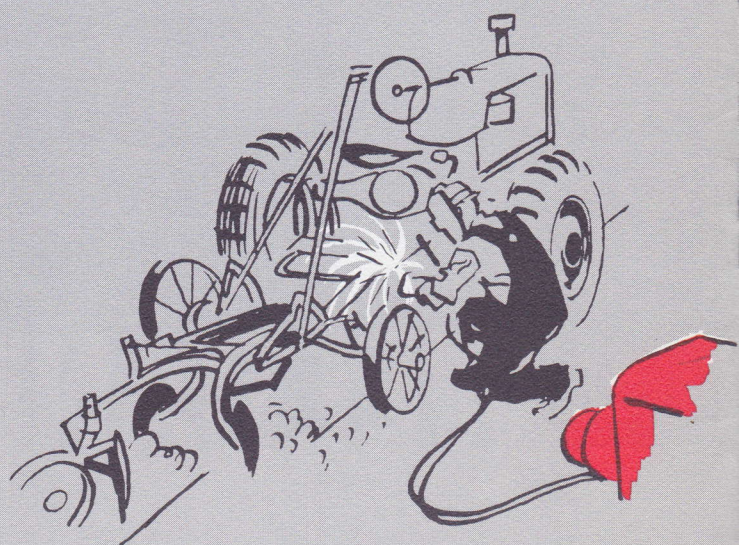
Chances are good the WELDANPOWER fits your welding needs perfectly. For here's a machine that will weld every job that comes along—not anything like heavy construction welding, of course—but all the repair work, hardsurfacing jobs and miscellaneous fabrication and steel erection you do. WELDANPOWER's 225-amp capacity is more than ample for this kind of work. With it, you can use AC-type electrodes—including those for mild and stainless steels, cast iron and hardsurfacing. There's plenty of heat, too, for $\frac{3}{16}$ -inch general purpose electrodes which will weld even the thickest plate. For sheet metal down to 18-gage, the 40-amp setting used with a $\frac{3}{32}$ -inch electrode is ideal.

WELDANPOWER's portable, too. Complete selection of undercarriages lets you choose the best for your needs. With standard rails you can toss WELDANPOWER on a pick-up truck or wagon and be on your way. With heavy-duty undercarriages you tow it over highways or fields. Other wheels ease movement around plants and construction sites.

Optional self-starter makes machine all the easier to use. And, by the way, you can add extra wintertime income with WELDANPOWER by using it to thaw frozen pipes.

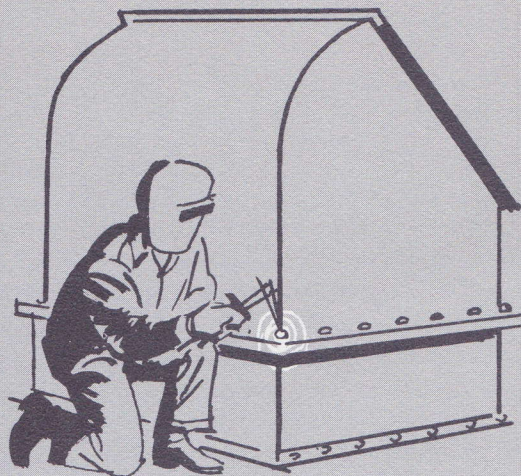


Do you send electricians with your weldors on plant repair jobs? Save them for more important work. Equip your weldors with portable WELDANPOWER machines. With it they can get closer to the job and start work quicker.

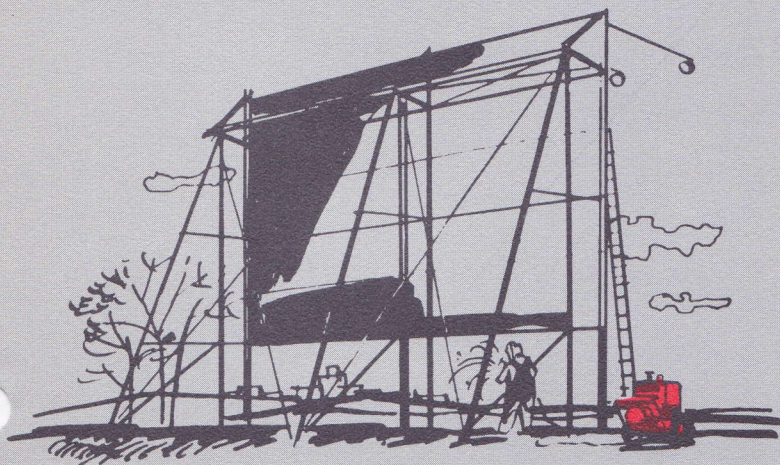


Wish you could make repairs in the field where breakdowns occur instead of hauling crippled machines back to the shop? You can, with a WELDANPOWER. Put it on your truck or tow it on a sturdy undercarriage.

Looking for a reliable welder for field work? WELDANPOWER provides plenty of heat for $\frac{3}{16}$ " electrodes. Welds mild steel, stainless steels, cast iron and hard-surfaces too. Handles 18 ga. sheet metal to heaviest plate.



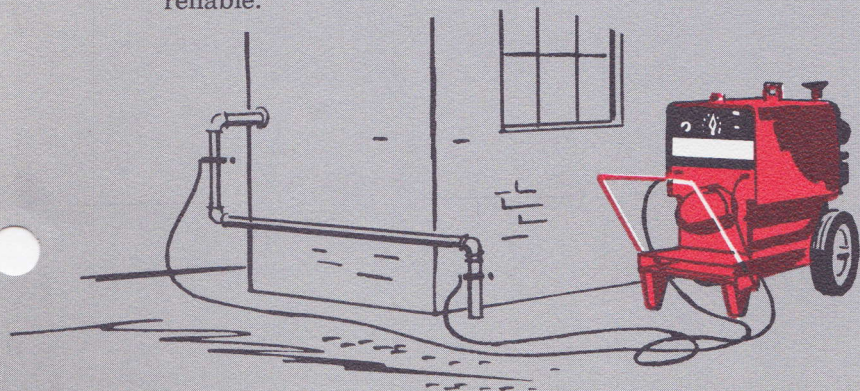
Why fight a rusty nut? Optional arc-torch heats and expands it quickly, so it removes easily. Nut is reusable too; saves searching for a replacement.



Parts wearing away? Restore them with hardsurfacing. WELDANPOWER handles many types of hardsurfacing electrodes. Dial-type current selector provides twelve steps of current control at the flick of a switch.



In trouble because of a frozen water pipe? Attach welding leads to either end of frozen pipe, set machine at 75-amp position and let it thaw the pipe. No digging or fussing with flame torches. It is easy, fast and reliable.



...AND HERE'S HOW IT WORKS AS A POWER GENERATOR

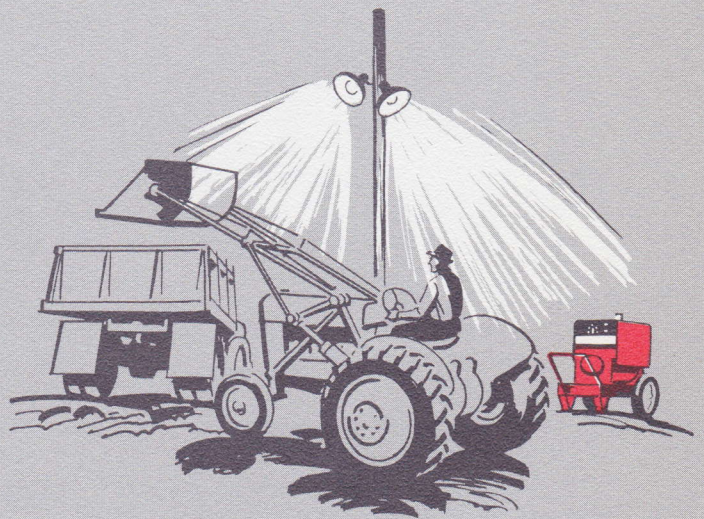
Have you ever found yourself a long way from electric lines and desperately in need of power tools or lights? And, you certainly want to be prepared for the day when a severe storm suddenly robs you of all power. It seems that you always need power most when it is not available. On a farm there are milking machines to be run, food freezers that must have continuous supply of power. In a shop there is always the emergency job which requires lights or drill press or power saw. If you own a WELDANPOWER you can be fully confident that your operations, no matter how critical, will never suffer from lack of power. Best of all, your investment in this machine as a power plant pays for itself daily as a working welder.

WELDANPOWER provides 5000 watts of either 230- or 115-volt single-phase, 60-cycle power. A three-pronged receptacle, with plug, provides both 230 volts and 115 volts. In addition, there are two, twin 115-volt receptacles. Just imagine how you could use this power! With it you could light fifty 100-watt bulbs; run sixteen $\frac{1}{4}$ " drills; or power two 1-HP electric motors plus fourteen 100-watt bulbs; or one 3-HP motor plus twelve 100-watt bulbs. Or, you could operate a whole houseful of appliances such as refrigerator, freezer, electric frypan, toaster and furnace, plus lights. Whether your needs are continuous, such as in field work, or strictly for purposes of standby emergency power, you are prepared to meet any situation with a WELDANPOWER.

Easy to use? It sure is. With optional self-starter even your wife could start it during a power failure. A single, simply-wired switch is all that is required to connect your WELDANPOWER into your power supply circuit. Complete instructions come with the machine.



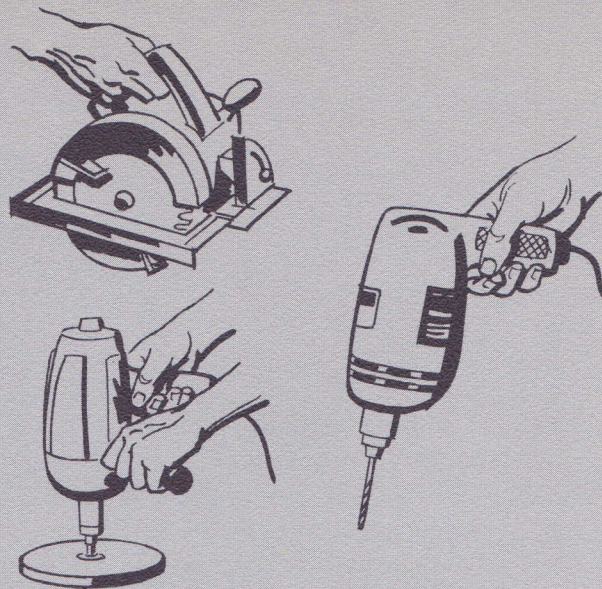
Candles can't save the food in your refrigerator and freezer during a power failure—but a WELDANPOWER can! Power crises dissolve when you can simply start your WELDANPOWER and flip a switch to get a full 5000 watts of power.



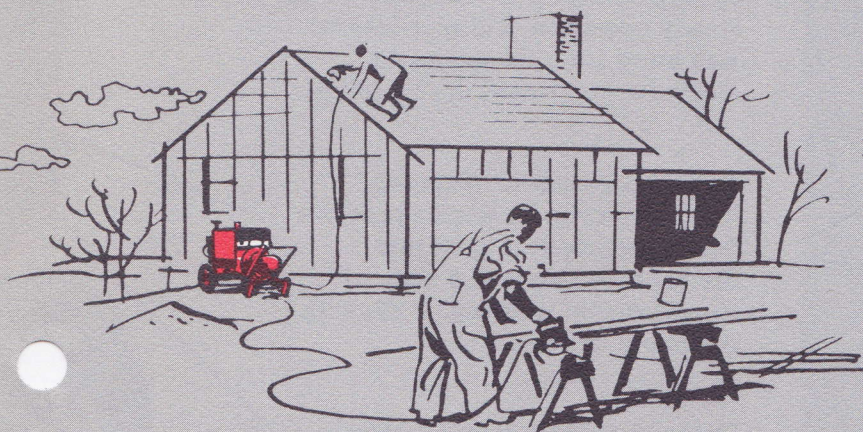
Working in the dark? No need to with WELDANPOWER. It lights fifty 100-watt bulbs. Use it for lights and welding simultaneously if necessary. Increase efficiency of night operations with one compact machine.



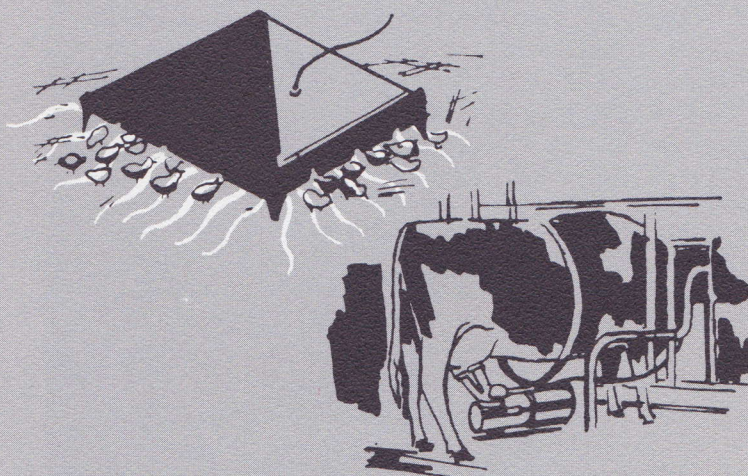
Work held up until power is installed? Not when you take WELDANPOWER to the job. It runs as many as two 1-HP motors to cut tile, thread pipe, operate winches. No need to wait when you have WELDANPOWER.



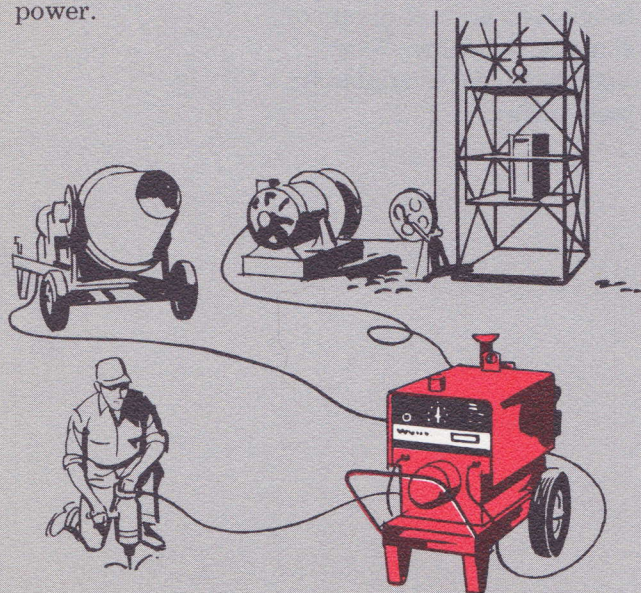
Using manual labor instead of power tools? WELDANPOWER operates drills, saws, grinders, impact wrenches and other power tools. Its full 5000 watts of 230- and 115-volt power help you increase your workers' efficiency.



Too many engines on your construction equipment? Put electric motors on your concrete mixers, pumps and hoists. Use commercial power when available, WELDANPOWER when it isn't. Reduce your investment, cut your engine maintenance and use the most economical power.



Can you afford to be without power for your milking machines, coolers, incubators or other critical farm equipment? WELDANPOWER gives you standby emergency power in a machine you can use regularly as a welder. No need to invest in two separate machines when one WELDANPOWER does the job.



By trying a WELDANPOWER you'll be convinced it is capable of doing its job. As you familiarize yourself with its many design features you will become equally convinced that it will continue to perform well for a long time.

Look at the engine. It is a Wisconsin. Just like hundreds of thousands already in use today on a tremendous variety of applications ranging from farm equipment to heavy construction machinery. They start easily, reliably. Fuel consumption is moderate, while their inner lubricating system is extremely effective. Stellite valves and seats have exceptionally long life. Combine these basic engine features with Lincoln's insistence on slow-speed operation in its welders, and you have perfect assurance of long, maintenance-free engine life.

In the electrical end of the machine there is virtually nothing to go wrong. The 50% duty cycle rating of each setting [except the 75-amp (100%) and 225-amp positions (40%)] is generous for all routine welding jobs: only rarely does actual duty cycle exceed 25-30% except on high volume factory production work. Generator brushes last for years with average use.

Structural members, frame and case are sturdy to resist the accidental damage and abuse typically encountered by engine-driven portable welders. Rugged drop tests, considered far more severe than the worst service conditions, proved that it had more than adequate stamina.

And, of course, you have the further assurance of quality which the name "Lincoln" signifies. As the world's largest manufacturer of arc welding equipment, and electrodes, Lincoln has earned an unequalled reputation for building sturdy, reliable, low-cost equipment. Years of experience have gone into the making of WELDANPOWER. You can be certain this will pay off for you in machine performance.

Muffler, provided as standard equipment, quiets engine.

Heavy lift hook provides convenient means of picking up machine with small hand or power hoists.

Large 5.3 gallon gas tank holds enough fuel for 5-6 hours of steady operation. Fill-pipe located well away from the engine to eliminate fire hazard during filling.

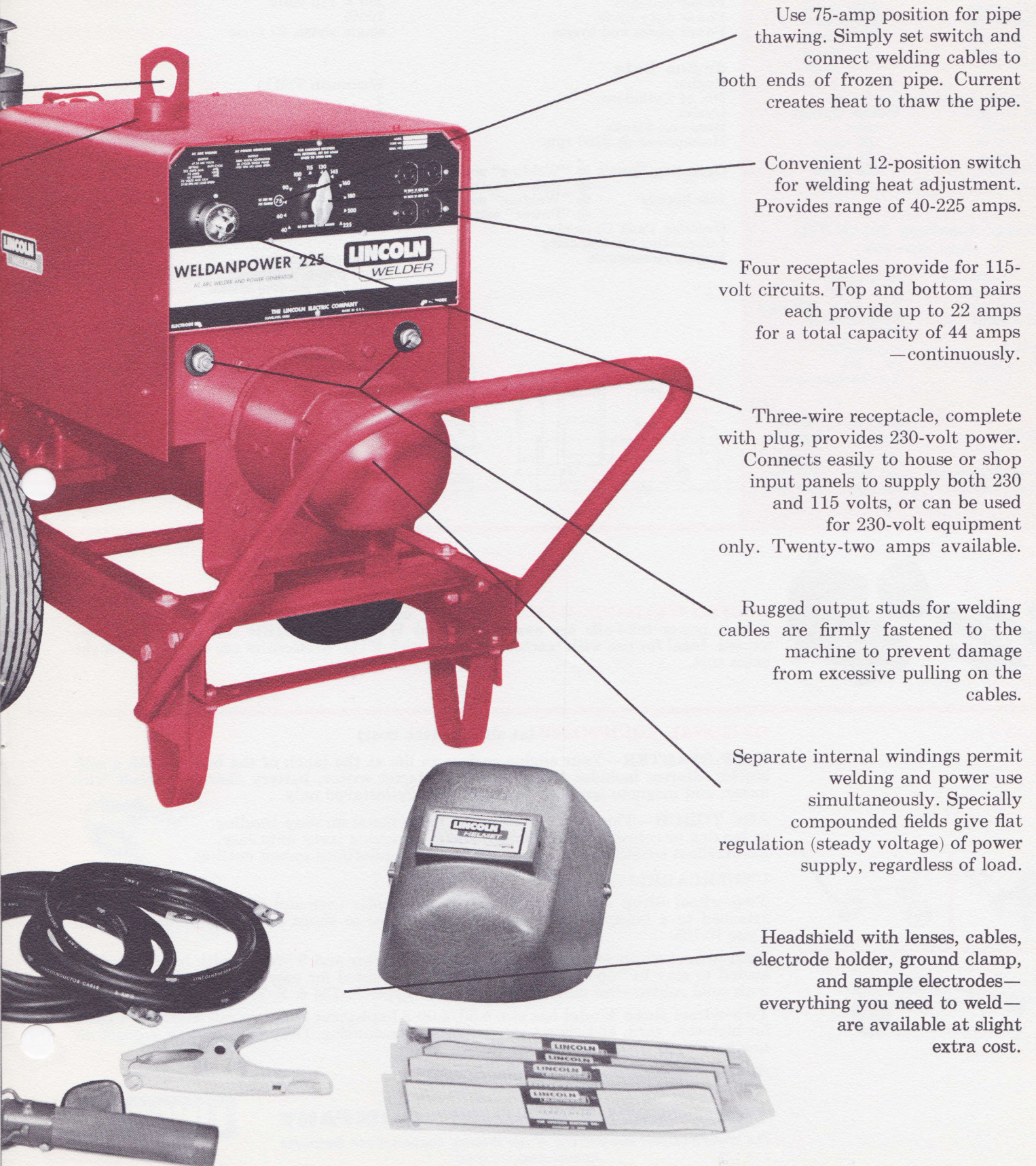
Reliable, air-cooled Wisconsin THD two-cylinder engine provides 14.2 horsepower at 2200 rpm. Stellite valve seats and slow speed provide long engine life with minimum upkeep.

Optional battery start provides pushbutton starting. Has heavy duty 12-volt electrical system. Starter available on new machine only; cannot be added to machines already in the field. (Not visible in picture.).

Optional pneumatic tire undercarriage provides easy movement around plants or construction sites. Other undercarriages available for road towing.



WELDANPOWER 225 FEATURES



Use 75-amp position for pipe thawing. Simply set switch and connect welding cables to both ends of frozen pipe. Current creates heat to thaw the pipe.

Convenient 12-position switch for welding heat adjustment. Provides range of 40-225 amps.

Four receptacles provide for 115-volt circuits. Top and bottom pairs each provide up to 22 amps for a total capacity of 44 amps—continuously.

Three-wire receptacle, complete with plug, provides 230-volt power. Connects easily to house or shop input panels to supply both 230 and 115 volts, or can be used for 230-volt equipment only. Twenty-two amps available.

Rugged output studs for welding cables are firmly fastened to the machine to prevent damage from excessive pulling on the cables.

Separate internal windings permit welding and power use simultaneously. Specially compounded fields give flat regulation (steady voltage) of power supply, regardless of load.

Headshield with lenses, cables, electrode holder, ground clamp, and sample electrodes—everything you need to weld—are available at slight extra cost.

WELDANPOWER

Simultaneous Welder & Power Operation

Engine Speed Set for Welding	
Welder Output	Power Output
200-225 amps	none
160-180 amps	750 watts
130-145 amps	1500 watts
100-115 amps	2500 watts
75-90 amps	3000 watts
60 amps	3300 watts
40 amps	3700 watts
none	5000 watts

Engine Speed Set for Power	
Power Output	Welder Output
5000 watts	none
2200 watts	100 amps
1500 watts	130 amps
700 watts	160 amps
none	180 amps

Optional Accessory Set (K-711) (at slight extra cost)

Cables: Electrode	20 ft of #3
Ground	15 ft of #3
Electrode Holder	Type INS, 300 amp
Ground Clamp	Type GC-300, 300 amp
Headshield	Coolshield 5
Lenses: Dark	#10 LHV
Cover	Non-spatter type

Weights:	Engine Driven	Belt Driven
Net	576 lbs.	344 lbs.
Shipping (Domestic)	631 lbs.	387 lbs.
Shipping (Export)	738 lbs.	487 lbs.

SPECIFICATIONS

Model AC-225/5-AS
Type K-1189
Welder Operation
Rated Welder Output @ 25 arc volts
Welding Current Range 40-225 amps
Welding Duty Cycle 75%
225 amps
all other settings

Power Operation
Rated power output 5000 watts
Power voltages 230 & 115 volts
Power duty cycle 100%
Power phase and cycles single phase, 60 cycle

Engine Data
Engine Wisconsin THD
No. of Cylinders 2
Cycles 4
Bore and Stroke $3\frac{1}{4} \times 3\frac{1}{4}$ "
Horsepower @ 2200 rpm 14.2

Operating Speeds @ "Welding" setting 2100 rpm
@ "Power" setting 1800 rpm
Idle Speeds @ "Welding" setting 2200 rpm
@ "Power" setting 1925 rpm

Gasoline Tank Capacity 5.3 gals.
Lubricating Oil Capacity 7 pts.
Engine Accessories Magneto Ignition
Fuel pump, sediment bowl & manual choke
Centrifugal flyball governor
Oil Bath Air Cleaner

ENGINE DRIVEN

AC-225/5-AS
K-1189

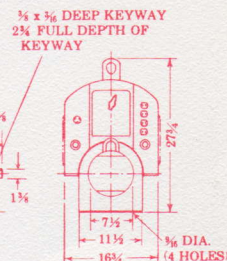
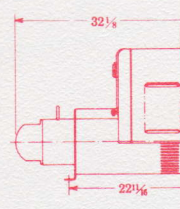
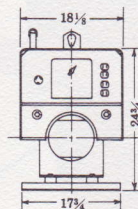
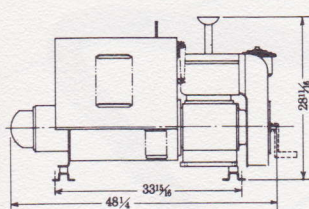
225 amps
40-225 amps
100%
40%
50%
5000 watts
230 & 115 volts
100%
single phase, 60 cycle

BELT DRIVEN

AC-225/5-BS
K-1190

225 amps
40-225 amps
100%
40%
50%
5000 watts
230 & 115 volts
100%
single phase, 60 cycle

Driving Power required:
Engine . . . 12 HP
Motor . . . 10 HP
Normal Rotation:
Clockwise from the shaft end.
2100 rpm
1800 rpm



BELTED WELDANPOWER 225—Lowest cost combination welder and power unit. Where power take-offs are available belted WELDANPOWER can quickly be connected. Ideal for use with tractor or trucks with PTO. Accessories are optional at slight extra cost.

OPTIONAL EQUIPMENT (at slight extra cost)

SELF-STARTER—Your engine springs to life at the touch of the button with a self-starter. Starter includes 12-volt battery, starter motor, battery charging circuit with meter, and magneto ignition. Available factory-installed only.

ARC TORCH—This low cost accessory heats metal for easy bending or brazing or copper pipe soldering. Makes removing rusty nuts easy. An excellent substitute for a gas torch on all applications except cutting.



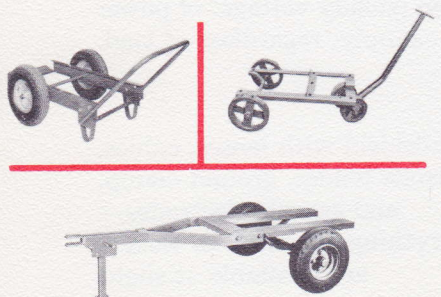
UNDERCARRIAGES—

Two-wheel Shop Model has large 16" pneumatic tires and sturdy handle assembly attached to a husky skid. Recommended for use in shops and at construction sites. Type K-728.

Four-wheel Shop Model has steel wheels, 12" rear and 9" front, with handle spring-loaded to stay in "up" position. Front wheels pivoted for easy steering. Also available with solid rubber tires molded to steel runs. Types K-724 & K-724R.

Two-wheel Road Model has two 4.80/4.00-8 implement tires; overall width 42". Used for highway, yard, and shop towing. Platform mounting. Drop leg standing support on tow bar. Type K-757.

All undercarriages shipped "knocked down."



THE LINCOLN ELECTRIC COMPANY

The World's Largest Manufacturer of Arc Welding Equipment and Electrodes
CLEVELAND 17, OHIO

